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## Overall assessment:

Last week no directors report was sent out because of the ongoing Accelerator Systems division review. Over the last 2 weeks very good progress has been made towards finishing DTL tank 3. Presently rf testing is to begin on April 24<sup>th</sup>. The only major uncertainty left is the delivery date of the drive iris which is not leak tight. While installation on Tank 3 is finishing up, Tank 1 was installed in the tunnel in place to start integration testing. Overall tank 3 is approximately 1 week behind the original (Dec '02) schedule and tank 1 drift tube delivery has accumulated 4 weeks of delay. Although the team tries hard to accommodate slippage by re-sequencing activities, the beginning of commissioning / rf conditioning will most likely slip. We are in close contact with the ARR (Accelerator Readiness Review) team to coordinate all activities in order to start commissioning tank 1 as soon as possible.

## LANL activities

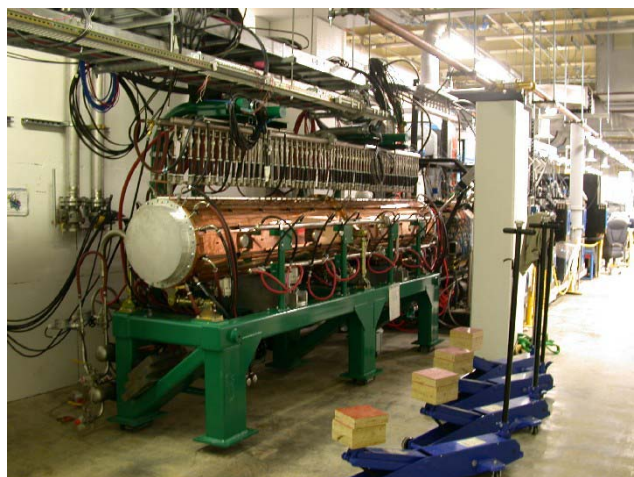
31 of the 33 Tank-3 drift tubes have been delivered to Oak Ridge. The final two are now leak tight, with final steps (stem welding/plating/fiducializing, cleaning, & shipping) planned for this week. Drift tube installation and alignment are well underway. Steve Ellis and Larry Rowton traveled ORNL to support installation and vacuum leak checking. 14 of the 16 Tank-3 post couplers were completed. Final machining of the first batch of Tank-1 drift tubes is underway.

**Concerns & Actions:** The Tank-3 drive iris still has a vacuum leak and remains under repair. This is our critical path item with delivery scheduled not earlier than 4/7. We are working to accelerate this date.

## Oak Ridge activities:

Twenty-nine of the 33 DT's for DTL-3 have been installed in the tank and aligned. The remaining 4 will be installed and aligned after the last 2 are received from LANL. This is expected Monday next week. The alignment team performed the alignment in the tunnel during the evening shift (3:00 pm to midnight) when noise and vibration is less than during the day. This procedure will be applied for the following tanks.

DTL-1 tank was installed in the FE building on Monday (3-17) and initial alignment was performed on Tuesday. The move went smoothly from start to finish. Re-leak testing at the site indicated a small vacuum leak (~3x10<sup>-8</sup> torr-l/s) in the flange between tank sections. This will be repaired when the tank is moved to the FE building for DT installation in April.



Tank 1 in position in the tunnel.

<b>Milestone description</b>	<b>Baseline date</b>	<b>Working Schedule</b>	<b>Number total</b>	<b>Number or % complete</b>	<b>Delta last week</b>
DTL 3 DT's repair	Feb 28 <sup>th</sup> '03	Mar 31 <sup>st</sup>	27	27	0
DTL 3 EMDs	Mar 12 <sup>th</sup> '03	Feb 27 <sup>th</sup>	4	4	0
DTL 3 Dummies	Mar 12 <sup>th</sup> '03	April 1st	2	0	0
DTL 3 BPM's	Aug 31 <sup>st</sup> '03		2	0	0
DTL 3 Top hats	Mar 6 <sup>th</sup> '03	Mar 13th	31	31	6
DTL 3 postcouplers	Mar 6 <sup>th</sup> '03	Mar 28 <sup>th</sup>	16	0	0
Waveguide taper	Mar 13 <sup>th</sup> '03	Mar 28 <sup>th</sup>	1	0	0
DTL 3 ready for RF	April 16 <sup>th</sup> '03	Apr 24 <sup>th</sup>		IPS marker DTL045	
DTL 1 DT's repair	Mar 18 <sup>th</sup> '03	April 1st	7	0	0
DTL 1 DT's rebuilt	April 17 <sup>th</sup> '03	May 1st	48	0	0
DTL 1 dummies	Mar 27 <sup>th</sup> '03	April 30th	4	0	0
DTL 1 DT's installed	May 1 <sup>st</sup> '03	May 13th	100 %	0	0
DTL 1 other parts	April 1 <sup>st</sup> '03		100 %	84%	0
All DTL 1 parts shipped	Mai 20 <sup>th</sup> '03	May 28th	100 %	23%/ IPS marker DTL055	0
DTL 1 ready for rf	May 21 <sup>th</sup> '03	??	100 %	IPS marker DTLINK31	